

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Control Unit (High-Rise)

LISTEE: Edwards Systems Technology, 6411 Parkland Drive, Sarasota, FL 34243
Contact: Leon Newsome (941) 739-4276 FAX (941) 739-4334

DESIGN: Models EST3, EST3R, EST3-230, EST3R-230, EST200, EST200R, EST200-2 and EST200R-2 fire alarm control units. Power limited. Automatic, manual, coded, noncoded, local, auxiliary, remote station, *(DACT), *(reverse polarity), proprietary *(multiplex), *central station, waterflow and sprinkler supervisory service. Model EST3 is also suitable for smoke control. Refer to listee's data sheet for additional detailed product description and operational considerations. System components:

3-BPS/M, 3-BPS/M/230	Booster Power Supply
3-PPS/M, 3-PPS/M-230	Primary Power Supply
*3-BBC/M, *3-BBC/M-230	Battery Booster Charger Power Supply
3-RS232	CPU RS232 Comm
3-XMEM	CPU Memory Option
3-IDC8/4	Zone Card
3-CPU, 3-CPU1 or 3-CPU2	Central Processing Unit
3-LCD	CPU LCD Display
3-OPS	Off Premises Signaling Module
3-LDSM	LED Display Module
3-LRMF	Blank LRM Filler
3-CHAS4, -CHAS-5, -CHAS-7	Module Chassis
3-CAB-5(R),-7(R),-14(R),-21(R)	Module Cabinet (red)
3-TAMP, 3-TAMP5	Tamper Switch
3-RCC7(R),-RCC14(R),-RCC21(R)	Closet Cabinet (red)
3-PSMON	Power Supply Drive Monitor
3-BPMON	Power Supply Booster Monitor
*3-BBCMON	Battery Booster Charger Monitor
3-24G,-24R,-24Y,-12RY,-12SY,-12SR,-12SG	LED Display
3-12/RY,-12/2Y,-12/2S2Y,-12/S1GY	LED Display
3-12/S1RY,-18S1G2Y,-6/3S1G2Y	LED Display
3-6/3S1GYR,-18S1GYR,-6/3S3L	LED Display
3-CAB5BR	Enclosure
3-SSDC	Single Loop Controller Module
3-SDC	Signature Data Card
3-ASU	Audio Source Module
3-FTCU	Firefighter Phone Module
3-ASU/FT	Audio/Firefighter Module
3-ZA30, 3-ZA15	Amplifier
3-RS485(130316/130410-01)	Network Communication Card
3-RS485A, 3-RS485B, 3-RS485R	Network Communication Card
*3-DSDC	Dual Loop Controller Module
3-FIB, 3-FIBA	Fiber/Copper Data Com Module

CDR-3
 3-AADC
 3-ATPINT
 3-REMICA, 3-REMICP
 PT1-S
 PT1-P
 3-ZA90, 3-ZA20A, 3-ZA20B
 3-ZA-40A, 3-ZA40B
 ATCK
 3-MODCOM, 3-MODCOMP
 3-NSHM1, 3-NSHM2
 3-SAC

Coded Output Module
 Analog Addressable Communication Module
 ATPC Interface Module
 Remote Microphone
 System Printer
 System Printer Parallel
 Zone Amplifiers
 Zone Amplifiers
 Attack Kit Cover for 3-RCC7R cabinet
 Modem communicator/pager interface
 Modem Communication Cards
 Security Access Control Module

RATING: EST3, EST3R, EST200, EST200-2, EST200R, EST200R-2: 120 VAC
 EST3-230, EST3R-230: 220 VAC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as fire alarm control units suitable for high-rise applications when used in conjunction with separately listed electrically and functionally compatible initiating and indicating devices. Model EST is also suitable for smoke control. Refer to listee's Installation Instructions Manual for details.

These control units can generate a distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72, 1999 Edition.

- NOTE:**
1. For **Fire Alarm Verification Feature** (delay of fire alarm signal), the maximum Retard/Reset/Restart period shall not exceed 30 seconds.
 2. Formerly 7170-1388:212

*Rev. 04-14-03KK



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **APRIL 14, 2003**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND, Senior Deputy
 Program Manager**